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Sheet 1 of 7
Atty. Docket No.ALLE0003-100 Serial No.: Not yet assigned
Filing Date: Herewith
Title: METHODS OF IDENTIFYING COMPOUNDS THAT ALTER TOXIN
PERSISTENCE AND /OR PROTEASE ACTIVITY
Inventors: Fernandez-Salas, et al.
Attorney: Quan L. Nguyen Phone No.: 215-665-2158

Figure 1

GFP



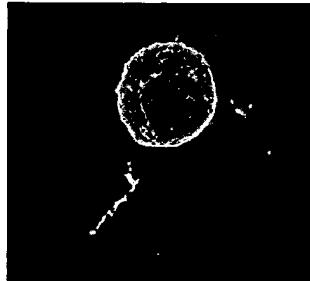
GPF-LC/A



GFP-LC/B



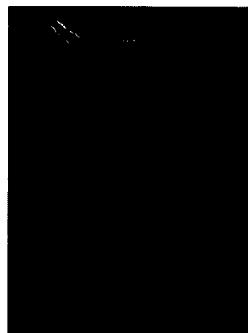
GFP-LC/E



Sheet 2 of 7
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Figure 2

GFP



GFPLC/A



GFP-LC/B

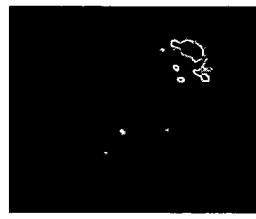
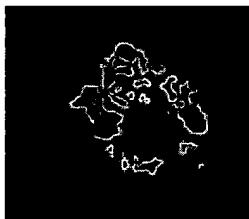


GFP-LC/E

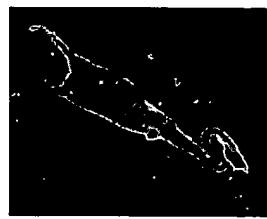


Figure 3

A.



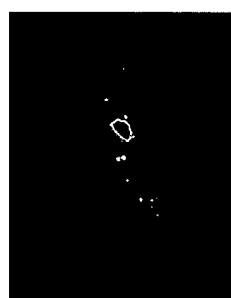
B.



C.

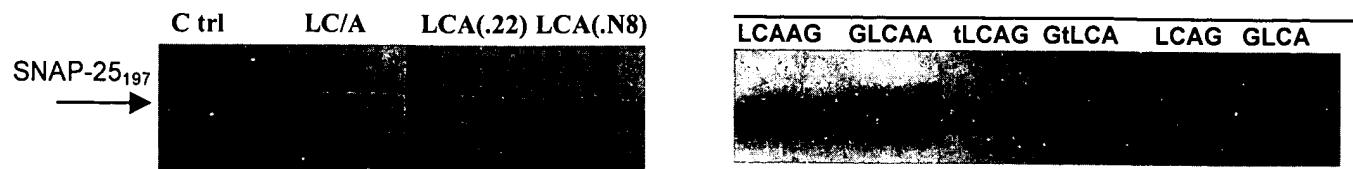


D.

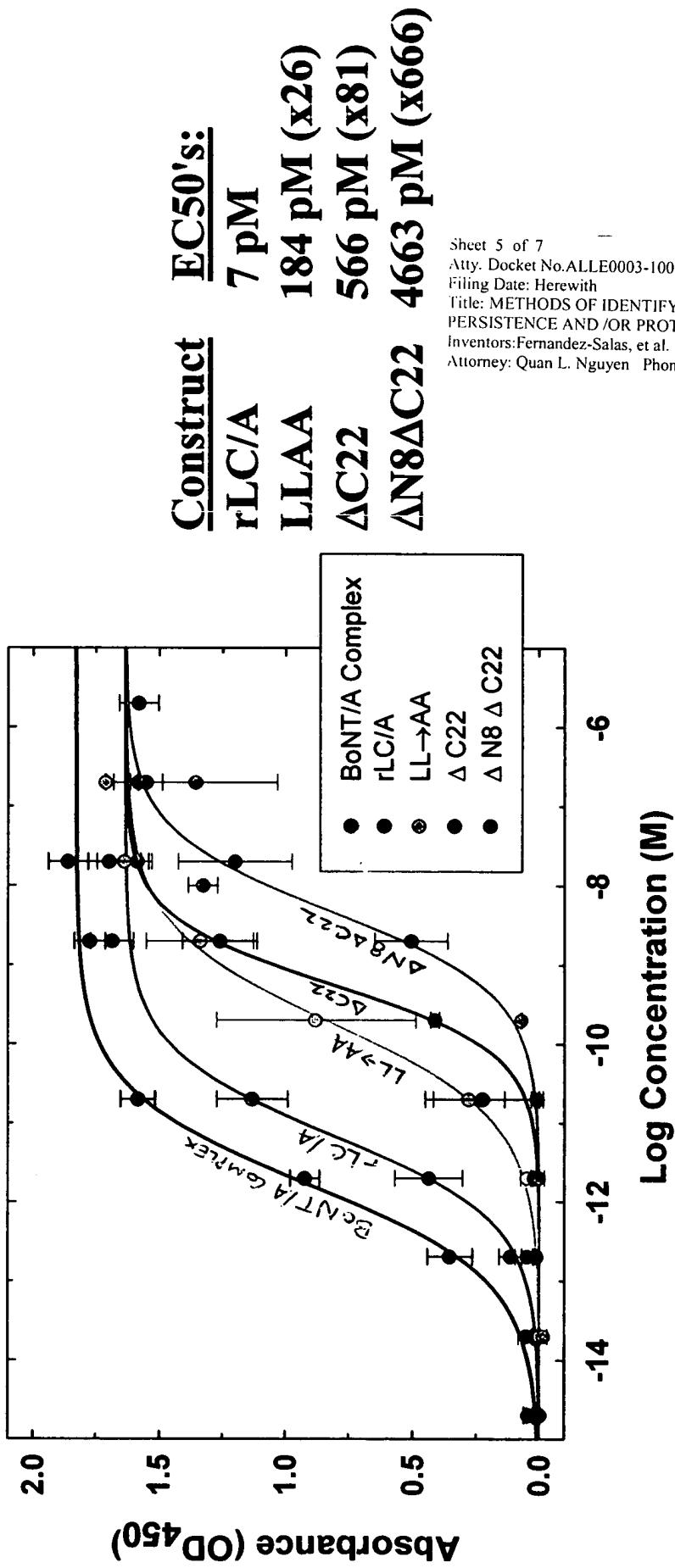


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Figure 4



Activity of LC/A mutants towards SNAP25



Schematic representation of Adaptins

Binds YXXΦ-type signals

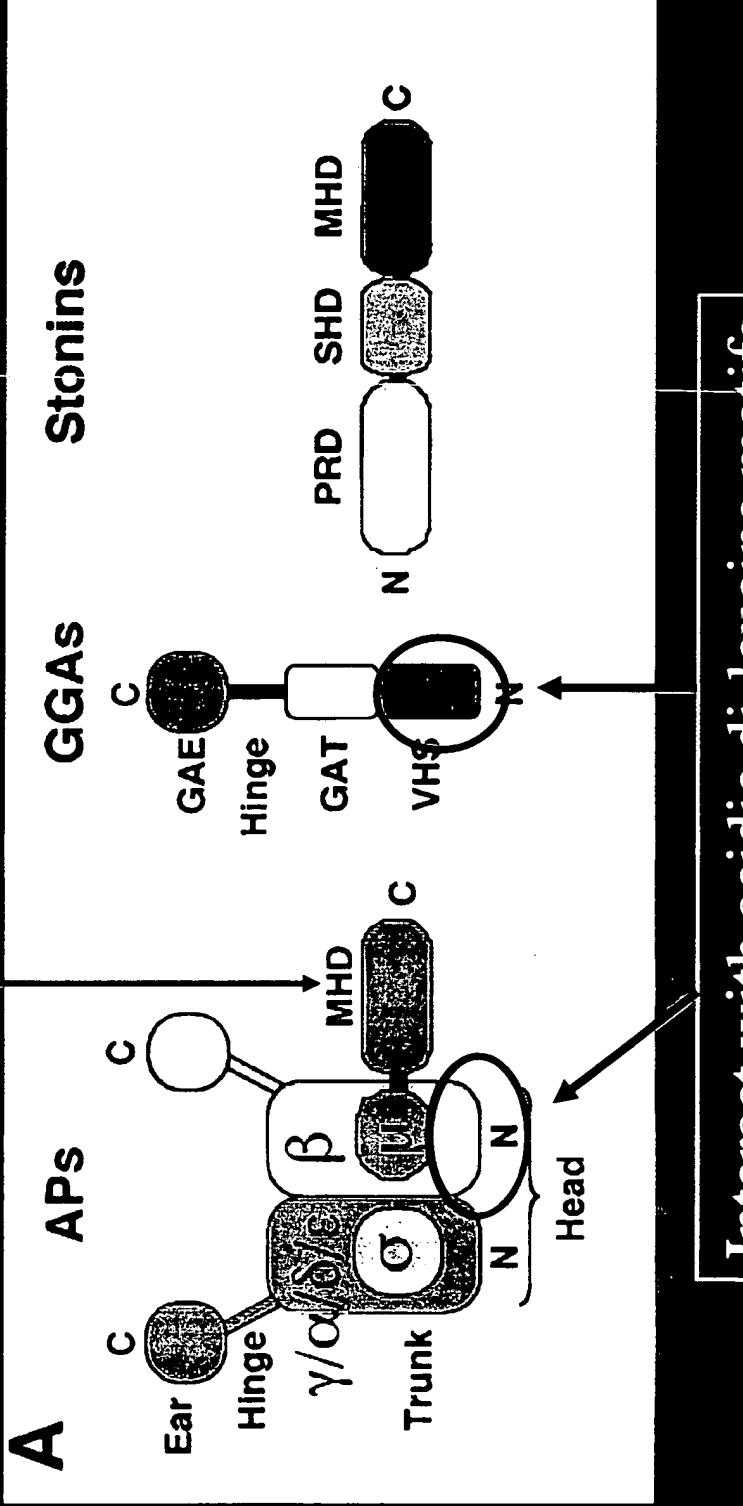
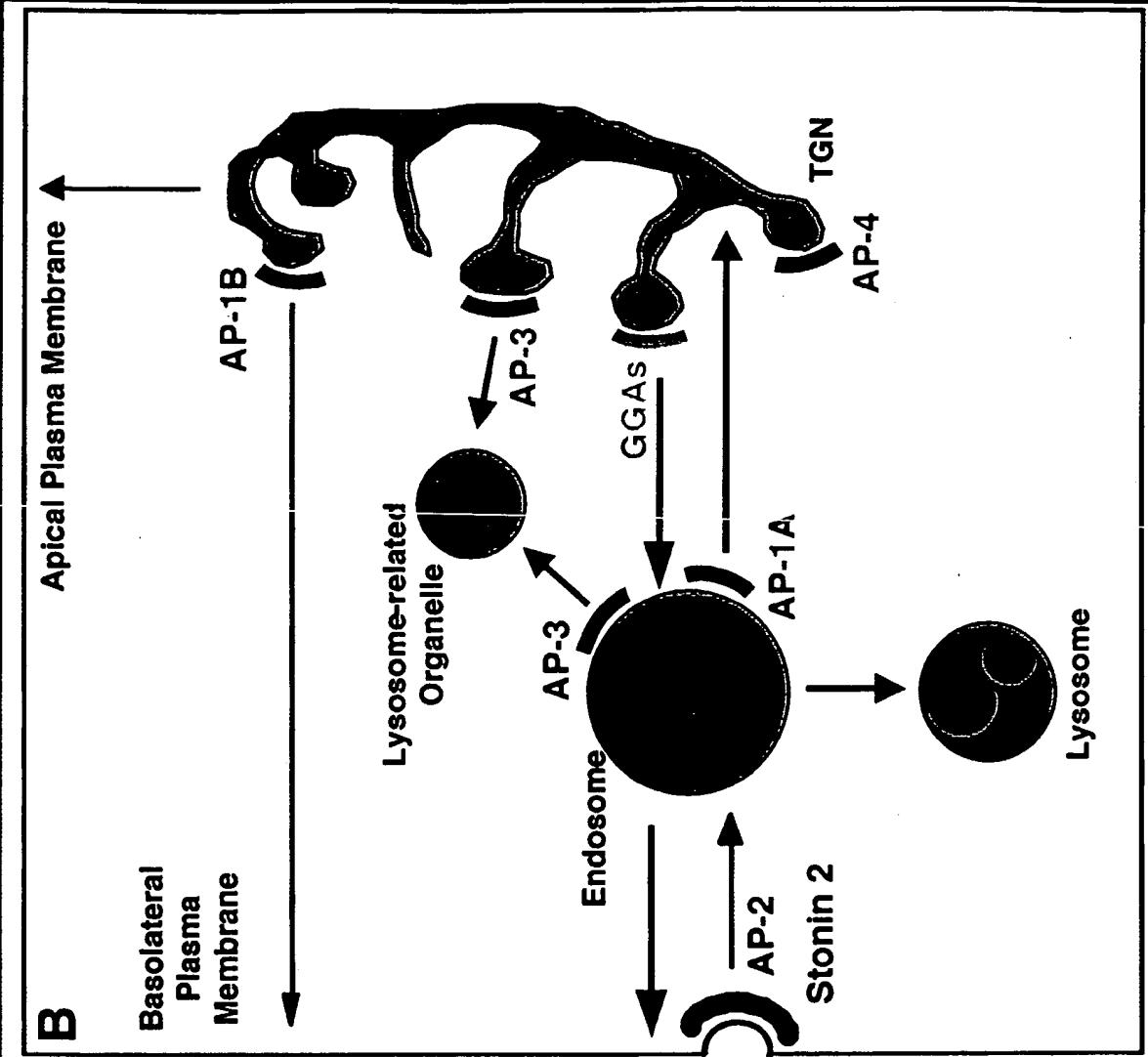


Figure 6A

Adaptins: Localization and Function



AP-2 mediates rapid endocytosis from the plasma membrane

AP-1, AP-3 and AP-4 mediate sorting events at the *trans*-Golgi (TGN) network and/or endosomes

Figure 6B